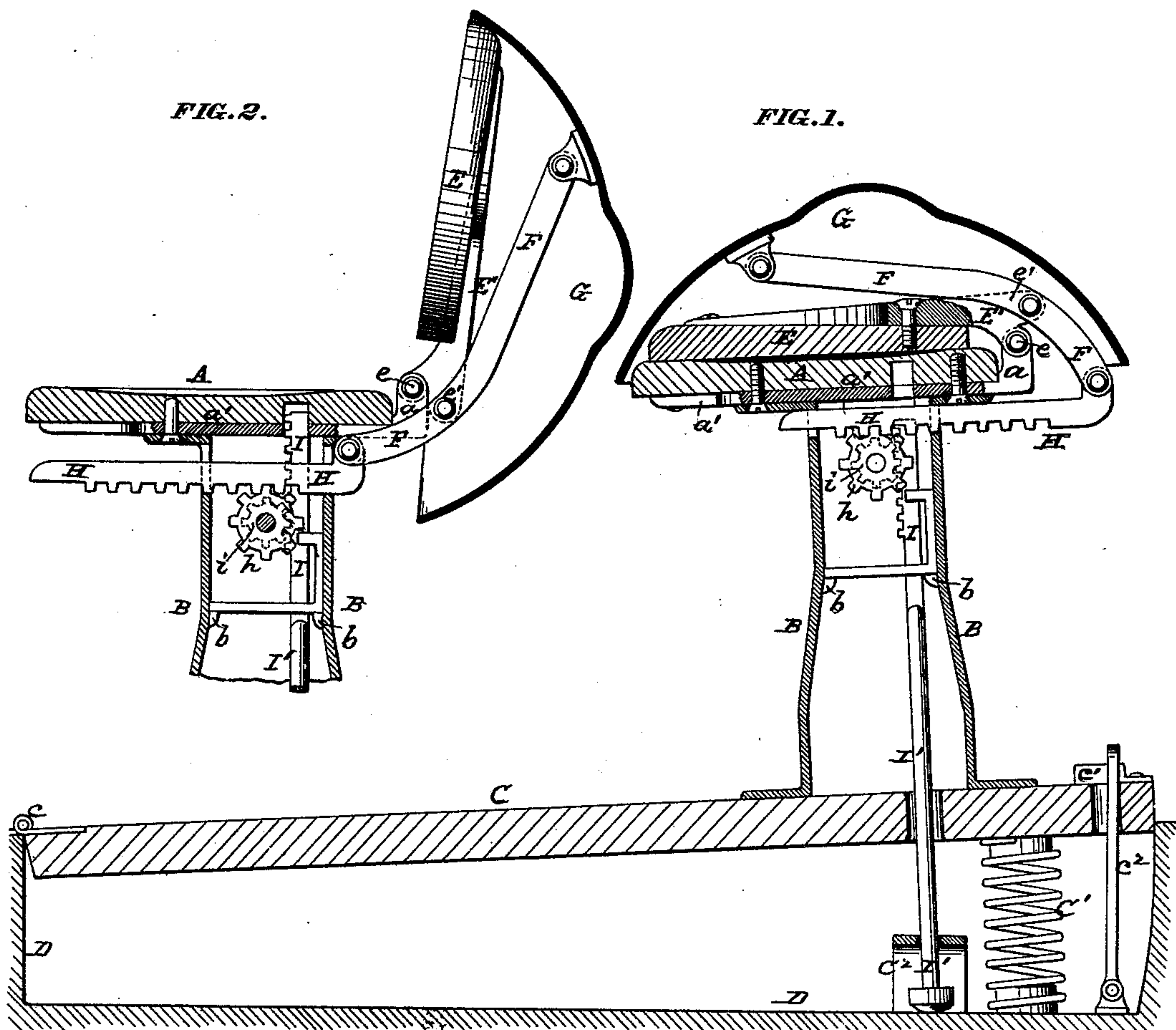


J. R. WHERRY.

LAWN-SEATS.

No. 183,995.

Patented Oct. 31, 1876.



ATTEST:

Robert Burns.
Le Blond Burdett

INVENTOR:

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UNITED STATES PATENT OFFICE

JOHN R. WHERRY, OF LITTLE ROCK, ARKANSAS.

IMPROVEMENT IN LAWN-SEATS.

Specification forming part of Letters Patent No. 183,995, dated October 31, 1876; application filed September 4, 1876.

To all whom it may concern:

Be it known that I, JOHN R. WHERRY, of Little Rock, in the county of Pulaski and State of Arkansas, have invented certain Improvements in Lawn-Chairs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

In this invention the chair is placed on a hinged platform supported on one or more springs. The chair back and cover are hinged to the back of seat and connected to suitable lever and gearing connections arranged in the hollow seat-leg, so that as a person steps on the platform the back and cover will swing up and remain in this position while the person stands on the platform or sits on the seat. When the person leaves the seat and platform the back and cover will swing back and cover the seat and protect it from the weather, &c., as will hereinafter more fully appear.

In the drawings, Figure 1 is a vertical section, showing the seat closed. Fig. 2 is a similar view, showing the seat open.

A is the chair-seat, supported by hollow leg B on a platform, C, hinged at *c* to a suitable base or frame, D, and supported at its rear end by a spring, C'. The upward movement of the platform C is limited by a stop-lug, *c*¹, secure to the platform and passing between the bars of a pivoted link, *c*², secured to the base D. E is the chair-back, having a metallic extension, E', which is pivoted at *e* to the bracket-lug *a* of the seat A. The extension E' has a projection or stop, *e*', which rests against the bracket-lug *a* to hold the back in proper position when up. F is a lever pivoted to the projection *e*', and carrying at its forward end the cover G. At its rear end it is secured to a horizontal cogged rack, H, engaging a pinion, *h*, arranged inside of the hollow leg B. The shaft of this pinion carries a second pinion, *i*, which is engaged and operated by the vertical cogged rack I, forming part of the rod I¹ attached to the yoke I² of the base D, as shown.

The frame that supports the pinion-shaft and guides the rack I is dropped in at the top of the hollow leg B, and rests on lugs *b*, and is held in place by the plate *a'* on the under side of the chair-seat A.

When desired, rubber pads or cushions can be placed between the points of contact of the parts, in order to prevent any noise or clash in the movements of the chair.

The cover G is preferably made dome-shaped, as shown, so that, in connection with the cylindrical leg B, it will resemble a large mushroom and impart a very ornamental appearance to the lawn or garden in which the chair is placed.

Operation: The chair being in the position shown in Fig. 1, when a person steps on the platform C it descends, and the pinion *i* turns on the rack I. The pinion *i* in its movement turns the pinion *h* and moves the rack H, which moves the lever F, lifts the cover G and back E into the position shown in Fig. 2, in which position it remains while the person stands on the platform or sits on the seat. As soon as the person leaves the platform it is raised by the spring C', and by means of the gearing above stated the parts are again returned to the position shown in Fig. 1.

It will be seen that with my improvements the chair is perfectly protected from the weather, and, being automatic in its action, it is impossible for the seat to be carelessly left exposed by a party leaving the seat.

I claim as my invention—

1. The chair-seat A B, supported on a spring-platform, C, in combination with the pivoted back E and cover G, when the same is arranged to operate automatically by the movement of the platform C, substantially as set forth.

2. The seat A, leg B, platform C, and spring C', in combination with racks H I, pinions *h* *i*, lever F, and back E, substantially as set forth.

3. The seat A, leg B, platform C, and spring C', in combination with racks H I, pinions *h* *i*, lever F, back E, and cover G, substantially as set forth.

4. The hinged mushroom-shaped top G, in combination with pivoted back E, seat A, and leg B, as and for the purpose set forth.

In testimony of which invention I have hereunto set my hand.

JOHN R. WHERRY.

Witnesses:

ROBERT BURNS,
G. F. ERNST.